

[FLEXIBLE IMAGING MEMBER SEAM TREATMENT APPARATUS]

Abstract of Disclosure

A belt seam treatment apparatus includes a support element with a smooth surface that supports the seam region of the belt, a heat source that heats a treatment strip and the belt seam region, and a pressure applicator that forces the treatment strip against the belt seam region. The support element can be a tube over which the belt hangs and can include a vacuum belt hold system that secures the seam region against the tube during treatment. The heat source can be an infrared laser or an infrared lamp. Optics form a heat spot or a heat line on the strip and seam region, and a pressure wheel traverses the seam region after heating to compress the strip and seam and bond a thermoplastic polymer of the strip to the seam region of the belt.

Figures

Figure 1: A line graph showing the relationship between the number of hours spent on a task and the number of errors made. The x-axis represents 'Hours' (0 to 10) and the y-axis represents 'Errors' (0 to 10). The data points are as follows:

Hours	Errors
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	11